

Please amend the claims as follows:

Claims 1-38 (Canceled)

39. (New) A black matrix composition comprising a photopolymerizable polymer binder, a pigment, and an azo-metal complex dye dissolved or dispersed in a solvent system, said composition having a volume resistivity of greater than 10^8 ohm-cm and an optical density of 3.0 or greater when formed into a film having a thickness of 1 micron or less.

40. (New) The composition of claim 39, wherein said azo-metal complex dye is an azo-1,2-chrome complex dye.

41. (New) The composition of claim 39, wherein said dye is present in said composition at a level of from 0.2-3.0 wt. %, based upon the total weight of pigment solids taken as 100% by weight.

42. (New) The composition of claim 39, wherein said pigment comprises a silica-coated metal oxide.

43. (New) The composition of claim 39, said composition further comprising a coupling agent.

44. (New) The composition of claim 43, wherein said coupling agent is a trialkoxyorganosilane coupling agent.

45. (New) The composition of claim 43, wherein said coupling agent is present in said composition at a level of about 5 wt. %, based upon the total weight of the pigment solids taken as 100% by weight.

46. (New) The composition of claim 39, wherein said polymer binder is alkali-soluble.

47. (New) The composition of claim 39, said composition further comprising a photopolymerizable polyfunctional acrylate or methacrylate monomer or mixture of monomers, with each monomer having one or more ethylenically unsaturated double bond per molecule.

48. (New) The composition of claim 39, said composition further comprising a free-radical generating photoinitiator capable of operating effectively at exposure wavelengths of less than 400 nm.

49. (New) The composition of claim 48, wherein said photoinitiator comprises an amine-substituted acetophenone combined with thioxanthone and octyl N,N-dimethylaminobenzoate.

50. (New) The composition of claim 42, wherein said pigment comprises a metal oxide selected from the group consisting of copper oxides, manganese oxides, cobalt oxides, nickel oxides, chromium oxides, iron oxides, and mixtures thereof.

51. (New) The composition of claim 39, wherein said dye is selected from the group consisting of Solvent Black 27, Solvent Black 28, Solvent Black 29, and Solvent Black 45.

52. (New) The composition of claim 51, wherein said dye is Solvent Black 28 and is present in the composition at a level of 1 wt. %, based upon the total weight of the pigment solids taken as 100% by weight.

53. (New) The composition of claim 42, wherein said pigment has a primary particle size sufficient to allow filtration at resolutions small than 1 micron.

54. (New) The composition of claim 53, wherein said pigment particle size is from 0.01-0.02 micron, and at least 50 wt. % of the pigment particles have a primary particle size of less than 0.02 microns.

55. (New) The composition of claim 42, wherein said silica-coated metal oxide pigment is Pigment Black 26.

56. (New) A method of forming a black matrix, said method comprising the steps of: applying a quantity of a composition to a substrate so as to form a layer thereon, said composition comprising a photopolymerizable polymer binder, a pigment, and an azo-metal complex dye dissolved or dispersed in a solvent system; and baking said layer to yield a film having a volume resistivity of greater than 10^8 ohm-cm and an optical density of 3.0 or greater when said film has a thickness of 1 micron or less.

57. (New) The method of claim 56, further including the step of exposing said baked film to energy and developing said exposed film.

58. (New) The method of claim 57, wherein said exposing step comprises exposing said film at 200-2,000 mJ/cm² of energy.

59. (New) The combination of:
a substrate having a surface; and
a layer of a composition adjacent said substrate surface, said composition comprising a photopolymerizable polymer binder, a pigment, and an azo-metal complex dye dissolved or dispersed in a solvent system, and said composition having a volume resistivity of greater than 10^8 ohm-cm and an optical density of 3.0 or greater when formed into a film having a thickness of 1 micron or less.

60. (New) The combination of claim 59, wherein said substrate is glass.

61. (New) The combination of:

a substrate having a surface; and

a cured film of a composition adjacent said substrate surface, said cured film;

being formed from a composition comprising a photopolymerizable polymer binder,

a pigment, and an azo-metal complex dye dissolved or dispersed in a solvent

system; and

having a volume resistivity of greater than 10^8 ohm-cm and an optical density of 3.0

or greater when said film has a thickness of 1 micron or less

62. (New) The combination of claim 61, wherein said substrate is glass.

63. (New) The combination of claim 61, wherein said cured film is a black matrix.